



TORQ Analysis of Prepress Technicians and Workers to Film and Video Editors

INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	Prepress Technicians and Workers	51-5022.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	Film and Video Editors	27-4032.00	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

OUTPUT SECTION:

Grand TORQ:

79

Ability TORQ

Skills TORQ

Knowledge TORQ

Level



58

Level



92

Level



86

Gaps To Narrow if Possible

Upgrade These Skills

Knowledge to Add

Ability	Level	Gap	Impt	Skill	Level	Gap	Impt	Knowledge	Level	Gap	Impt
Oral Expression	55	36	65	Active Listening	65	12	77	Communications and Media	78	25	88
Speech Recognition	48	36	59	Active Learning	67	4	73	English Language	63	2	72
Originality	50	31	65	Equipment Selection	66	3	69	Computers and Electronics	73	1	82
Oral Comprehension	55	30	59	Coordination	66	2	71				
Fluency of Ideas	50	29	56								
Speech Clarity	44	32	50								
Hearing Sensitivity	42	30	50								
Written Expression	46	28	53								
Category Flexibility	50	26	56								
Inductive Reasoning	44	22	56								
Selective Attention	42	21	56								
Written Comprehension	48	18	62								
Deductive Reasoning	46	17	59								
Information Ordering	55	15	65								
Problem Sensitivity	44	14	59								
Visualization	51	11	59								
Finger Dexterity	41	7	50								



Near Vision	51	2	65
-------------	----	---	----

LEVEL and IMPT (IMPORTANCE) refer to the Target Film and Video Editors. GAP refers to level difference between Prepress Technicians and Workers and Film and Video Editors.

ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50

Description	Prepress Technicians and Workers	Film and Video Editors	Importance
Oral Expression	19	55	65
Originality	19	50	65
Information Ordering	40	55	65
Near Vision	49	51	65
Written Comprehension	30	48	62
Oral Comprehension	25	55	59
Problem Sensitivity	30	44	59
Deductive Reasoning	29	46	59
Visualization	40	51	59
Speech Recognition	12	48	59
Fluency of Ideas	21	50	56
Inductive Reasoning	22	44	56
Category Flexibility	24	50	56
Selective Attention	21	42	56
Written Expression	18	46	53
Finger Dexterity	34	41	50
Hearing Sensitivity	12	42	50
Speech Clarity	12	44	50

Skill Level Comparison - Abilities with importance scores over 69

Description	Prepress Technicians and Workers	Film and Video Editors	Importance
Active Listening	53	65	77
Active Learning	63	67	73
Coordination	64	66	71
Equipment Selection	63	66	69
Troubleshooting	58	51	69

Knowledge Level Comparison - Knowledge with importance scores over 69

Description	Prepress Technicians and Workers	Film and Video Editors	Importance
Communications and Media	53	78	88
Computers and Electronics	72	73	82



English Language

61

63

72

Experience & Education Comparison

Related Work Experience Comparison			Required Education Level Comparison		
Description	Prepress Technicians and Workers	Film and Video Editors	Description	Prepress Technicians and Workers	Film and Video Editors
10+ years	0%	0%	Doctoral	0%	0%
8-10 years	10%	0%	Professional Degree	0%	0%
6-8 years	0%	0%	Post-Masters Cert	0%	0%
4-6 years	22%	11%	Master's Degree	0%	0%
2-4 years	13%	8%	Post-Bachelor Cert	0%	0%
1-2 years	25%	43%	Bachelors	0%	47%
6-12 months	22%	29%	AA or Equiv	23%	3%
3-6 months	2%	1%	Some College	23%	43%
1-3 months	0%	2%	Post-Secondary Certificate	27%	0%
0-1 month	1%	0%	High School Diploma or GED	25%	2%
None	2%	2%	No HSD or GED	0%	1%

Prepress Technicians and Workers

Film and Video Editors

Most Common Educational/Training Requirement:

Postsecondary vocational award

Bachelor's degree

Job Zone Comparison

3 - Job Zone Three: Medium Preparation Needed

3 - Job Zone Three: Medium Preparation Needed

Previous work-related skill, knowledge, or experience is required for these occupations. For example, an electrician must have completed three or four years of apprenticeship or several years of vocational training, and often must have passed a licensing exam, in order to perform the job.

Previous work-related skill, knowledge, or experience is required for these occupations. For example, an electrician must have completed three or four years of apprenticeship or several years of vocational training, and often must have passed a licensing exam, in order to perform the job.

Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree. Some may require a bachelor's degree.

Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree. Some may require a bachelor's degree.

Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers.

Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers.

Tasks**Prepress Technicians and Workers****Film and Video Editors****Core Tasks****Core Tasks****Generalized Work Activities:****Generalized Work Activities:**

- Communicating with Supervisors, Peers, or Subordinates - Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.
- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Making Decisions and Solving Problems - Analyzing information and evaluating results to choose the best solution and

- Interacting With Computers - Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information.
- Thinking Creatively - Developing, designing, or creating new applications, ideas, relationships, systems, or products, including artistic contributions.
- Identifying Objects, Actions, and Events -



solve problems.

- Interacting With Computers - Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information.
- Organizing, Planning, and Prioritizing Work - Developing specific goals and plans to prioritize, organize, and accomplish your work.

Specific Tasks

Occupation Specific Tasks:

- Activate scanners to produce positive or negative films for the black-and-white, cyan, yellow, and magenta separations from each original copy.
- Analyze originals to evaluate color density, gradation highlights, middle tones, and shadows, using densitometers and knowledge of light and color.
- Arrange and mount typeset material and illustrations into paste-ups for printing reproduction, based on artists' or editors' layouts.
- Correct minor film mask defects with litho tape or opaquing fluid.
- Enter, position, and alter text size, using computers, to make up and arrange pages so that printed materials can be produced.
- Enter, store, and retrieve information on computer-aided equipment.
- Examine finished plates to detect flaws, verify conformity with master plates, and measure dot sizes and centers, using light-boxes and microscopes.
- Examine photographic images for obvious imperfections prior to plate making.
- Examine unexposed photographic plates to detect flaws or foreign particles prior to printing.
- Inspect developed film for specified results and quality, using magnifying glasses and scopes; forward acceptable negatives or positives to other workers or to customers.
- Lower vacuum frames onto plate-film assemblies, activate vacuums to establish contact between film and plates, and set timers to activate ultraviolet lights that expose plates.
- Maintain, adjust, and clean equipment, and perform minor repairs.
- Mix solutions such as developing solutions and colored coating solutions.
- Monitor contact between cover glass and masks inside vacuum frames, in order to prevent flaws resulting from overexposure or light reflection.
- Mount negatives and plates in cameras, set exposure controls, and expose plates

Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.

- Making Decisions and Solving Problems - Analyzing information and evaluating results to choose the best solution and solve problems.
- Organizing, Planning, and Prioritizing Work - Developing specific goals and plans to prioritize, organize, and accomplish your work.

Specific Tasks

Occupation Specific Tasks:

- Collaborate with music editors to select appropriate passages of music and develop production scores.
- Conduct film screenings for directors and members of production staffs.
- Confer with producers and directors concerning layout or editing approaches needed to increase dramatic or entertainment value of productions.
- Cut shot sequences to different angles at specific points in scenes, making each individual cut as fluid and seamless as possible.
- Determine the specific audio and visual effects and music necessary to complete films.
- Develop post-production models for films.
- Discuss the sound requirements of pictures with sound effects editors.
- Edit films and videotapes to insert music, dialogue, and sound effects, to arrange films into sequences, and to correct errors, using editing equipment.
- Estimate how long audiences watching comedies will laugh at each gag line or situation, to space scenes appropriately.
- Manipulate plot, score, sound, and graphics to make the parts into a continuous whole, working closely with people in audio, visual, music, optical or special effects departments.
- Mark frames where a particular shot or piece of sound is to begin or end.
- Organize and string together raw footage into a continuous whole according to scripts or the instructions of directors and producers.
- Piece sounds together to develop film soundtracks.
- Program computerized graphic effects.
- Record needed sounds, or obtain them from sound effects libraries.
- Review assembled films or edited videotapes on screens or monitors to determine if corrections are necessary.
- Review footage sequence by sequence to become familiar with it before assembling



to light through negatives in order to transfer images onto plates.

- Operate and maintain a variety of cameras and equipment, such as process, line, halftone, and color separation cameras, enlargers, electronic scanners, and contact equipment.
- Operate and maintain laser plate-making equipment that converts electronic data to plates without the use of film.
- Operate presses to print proofs of plates, monitoring printing quality to ensure that it is adequate.
- Perform close alignment or registration of double and single flats to sensitized plates prior to exposure, in order to produce composite images.
- Perform minor deletions, additions, or corrections to completed plates, on or off printing presses, using tusche, printing ink, erasers, and needles.
- Perform tests to determine lengths of exposures, by exposing plates, scanning line copy, and comparing exposures to tone range scales.
- Place masking paper on areas of plates not covered by positives or negatives, in order to prevent exposure.
- Position and angle screens for proper exposure.
- Position color transparencies, negatives, or reflection copies on scanning drums, and mount drums and heads on scanners.
- Punch holes in light-sensitive plates and insert pins in holes to prepare plates for contact with positive or negative film.
- Remove plate-film assemblies from vacuum frames, and place exposed plates in automatic processors to develop images and dry plates.
- Reposition lamps and adjust aperture controls in order to provide high quality images.
- Scale copy for reductions and enlargements, using proportion wheels.
- Select proper types of plates according to press run lengths.
- Set scanners to specific color densities, sizes, screen rulings, and exposure adjustments, using scanner keyboards or computers.
- Transfer images from master plates to unexposed plates, and immerse plates in developing solutions to develop images.
- Unload exposed film from scanners, and place film in automatic processors to develop images.

Detailed Tasks

it into a final product.

- Select and combine the most effective shots of each scene to form a logical and smoothly running story.
- Set up and operate computer editing systems, electronic titling systems, video switching equipment, and digital video effects units to produce a final product.
- Study scripts to become familiar with production concepts and requirements.
- Supervise and coordinate activities of workers engaged in film editing, assembling, and recording activities.
- Trim film segments to specified lengths, and reassemble segments in sequences that present stories with maximum effect.
- Verify key numbers and time codes on materials.

Detailed Tasks

Detailed Work Activities:

- achieve special lighting or sound effects
- assess script quality
- confer with other departmental heads to coordinate activities
- convey moods or emotions through music
- create art from ideas
- develop movie sound track
- direct and coordinate activities of workers or staff
- distinguish details in graphic arts material
- edit video film scenes
- give direction in audio recording studio
- identify color or balance
- install or set up equipment
- interpret information to formulate story ideas
- make decisions
- measure and mark reference points or cutting lines on workpieces
- operate audio-visual equipment
- operate film or sound editing equipment
- operate recording or broadcast studio controls
- operate special visual effects equipment
- organize commercial artistic or design projects
- organize story elements
- review assembled film or video tape on monitor
- review film, recordings, or rehearsals
- tell stories through musical, visual, or dramatic arts



Detailed Work Activities:

- adjust production equipment/machinery setup
- arrange galley setups of type
- assure quality control in printing processes
- clean equipment or machinery
- compute production, construction, or installation specifications
- determine film exposure settings
- determine specifications
- develop film or other photographic medium
- distinguish colors
- distinguish details in graphic arts material
- examine products or work to verify conformance to specifications
- fabricate printing plates
- fabricate, assemble, or disassemble manufactured products by hand
- identify color or balance
- install equipment or attachments on machinery or related structures
- load or unload material or workpiece into machinery
- maintain consistent production quality
- maintain or repair industrial or related equipment/machinery
- maintain production or work records
- make independent judgment in assembly procedures
- measure, weigh, or count products or materials
- mix paint, ingredients, or chemicals, according to specifications
- monitor production machinery/equipment operation to detect problems
- operate cameras
- operate graphic reproduction equipment
- operate printing equipment/machinery
- operate scanner
- operate video recorders
- paste up materials to be printed
- perform safety inspections in manufacturing or industrial setting
- prepare artwork for camera or press
- process photographic prints
- proofread printed or written material
- read blueprints
- read production layouts
- read specifications
- read technical drawings
- read work order, instructions, formulas, or processing charts
- set page layout or composition
- set up production equipment or machinery

- use computer graphics design software
- use creativity in graphics
- use creativity to art or design work
- use graphic arts techniques
- use knowledge of multi-media technology

Tools - Examples

- Desktop computers
- Digital video disk DVD recorders
- Audio patch bays
- Routing equipment
- Laptop computers
- Personal computers
- Digital video editing systems
- YouTube.com



- strip negatives
- understand technical operating, service or repair manuals
- use color analyzer
- use computer graphics design software
- use computers to enter, access or retrieve data
- use densitometer
- use drafting or mechanical drawing techniques
- use hand or power tools
- use precision measuring tools or equipment

Labor Market Comparison

Description	Prepress Technicians and Workers	Film and Video Editors	Difference
Median Wage	\$ 30,620	\$ 30,810	\$ 190
10th Percentile Wage	\$ 20,010	\$ 21,840	\$ 1,830
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	\$ 35,650	\$ 43,630	\$ 7,980
90th Percentile Wage	\$ 39,160	\$ 49,240	\$ 10,080
Mean Wage	\$ 30,260	\$ 33,740	\$ 3,480
Total Employment - 2007	300	80	-220
Employment Base - 2006	303	95	-208
Projected Employment - 2016	249	91	-158
Projected Job Growth - 2006-2016	-17.8 %	-4.2 %	13.6 %
Projected Annual Openings - 2006-2016	5	2	-3

National Job Posting Trends

Trend for Prepress Technicians and Workers

Trend for
Film and
Video
Editors



Data from [Indeed](http://Indeed.com)

Recommended Programs

Photojournalism

Photojournalism. A program that focuses on the use of still and motion photography in journalism and prepares individuals to function as news photographers and photographic editors. Includes instruction in photography, journalism, studio procedures and techniques, camera and equipment operation and technique, news editing, print and film editing, news scene composition, subject surveillance, media law and policy, news team field operations, and professional standards and ethics.

No schools available for the program

Radio and Television

Radio and Television. A program that focuses on the theories, methods, and techniques used to plan, produce, and distribute audio and video programs and messages, and that prepares individuals to function as staff, producers, directors, and managers of radio and television shows and media organizations. Includes instruction in media aesthetics; planning, scheduling, and production; writing and editing; performing and directing; personnel and facilities management; marketing and distribution; media regulations, law, and policy; and principles of broadcast technology.

No schools available for the program

Communications Technology/Technician

Communications Technology/Technician. A program that generally prepares individuals to function as workers and managers within communications industries. Includes instruction in business economics; basic management; principles of interpersonal and mediated communications; radio, television, and digital media production; and related aspects of technology and communications systems.

Institution	Address	City	URL
New England School of Communications	1 College Circle	Bangor	www.nescom.edu
New England School of Communications	1 College Circle	Bangor	www.nescom.edu
New England School of Communications	1 College Circle	Bangor	www.nescom.edu

Radio and Television Broadcasting Technology/Technician

Radio and Television Broadcasting Technology/Technician. A program that prepares individuals to apply technical knowledge and skills to the production of radio and television programs, and related operations, under the supervision of broadcast and studio managers, directors, editors, and producers. Includes instruction in sound, lighting, and camera operation and maintenance; power and feed control; studio operations; production preparation; broadcast engineering; related computer applications; and specialized applications such as news, entertainment, live talk, sports, commercials, and taping.

No schools available for the program



Audiovisual Communications Technologies/Technicians, Other

Audiovisual Communications Technologies/Technicians, Other. Any instructional program in audiovisual communications technologies not listed above.

No schools available for the program

Film-Video Making/Cinematography and Production

Cinematography and Film/Video Production. A program that prepares individuals to communicate dramatic information, ideas, moods, and feelings through the making and producing of films and videos. Includes instruction in theory of film; film technology and equipment operation; film production; film directing; film editing; cinematographic art; film audio; techniques for making specific types of films and/or videos; the use of computer applications to record or enhance images, audio or effect and the planning and management of film/video operations.

No schools available for the program

Maine Statewide Promotion Opportunities for Prepress Technicians and Workers

O* NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
51-5022.00	Prepress Technicians and Workers	100	3	300	\$30,620.00	\$0.00	-18%	5
43-9031.00	Desktop Publishers	83	3	130	\$32,200.00	\$1,580.00	14%	5
27-1024.00	Graphic Designers	81	4	700	\$34,090.00	\$3,470.00	5%	30
27-4032.00	Film and Video Editors	79	3	80	\$30,810.00	\$190.00	-4%	2
51-4121.07	Solderers and Brazers	79	2	1,610	\$38,030.00	\$7,410.00	7%	49
27-3042.00	Technical Writers	77	4	50	\$46,060.00	\$15,440.00	-8%	2
43-9011.00	Computer Operators	77	3	230	\$33,120.00	\$2,500.00	-30%	4
51-4122.00	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	77	2	120	\$36,960.00	\$6,340.00	2%	3
15-1041.00	Computer Support Specialists	75	3	1,670	\$40,200.00	\$9,580.00	5%	61
17-3031.02	Mapping Technicians	75	3	190	\$33,210.00	\$2,590.00	5%	5
23-2091.00	Court Reporters	74	3	0	\$53,640.00	\$23,020.00	0%	0
43-5053.00	Postal Service Mail Sorters, Processors, and Processing Machine Operators	74	2	970	\$41,950.00	\$11,330.00	-12%	10
27-1014.00	Multi-Media Artists and Animators	73	4	70	\$44,630.00	\$14,010.00	9%	10



49-2011.00	Computer, Automated Teller, and Office Machine Repairers	73	3	640	\$32,000.00	\$1,380.00	3%	12
43-9041.02	Insurance Policy Processing Clerks	73	2	1,810	\$31,380.00	\$760.00	-8%	22

Top Industries for Film and Video Editors

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Television broadcasting	515120	14.02%	2,880	2,788	-3.22%
Self-employed workers, primary job	000601	9.21%	1,892	2,015	6.54%
Self-employed workers, secondary job	000602	6.72%	1,380	1,374	-0.45%
Cable and other subscription programming	515200	3.04%	625	752	20.27%
Manufacturing and reproducing magnetic and optical media	334600	2.14%	440	432	-1.74%
Advertising and related services	541800	1.79%	368	415	12.83%
Photographic services	541920	1.02%	209	216	3.42%
Independent artists, writers, and performers	711500	0.83%	171	240	39.81%
Other information services	519100	0.67%	137	134	-2.12%
Miscellaneous durable goods merchant wholesalers	423900	0.52%	107	123	14.80%
Colleges, universities, and professional schools, public and private	611300	0.46%	94	105	11.87%
Management, scientific, and technical consulting services	541600	0.32%	66	117	78.53%
Cable and other program distribution	517500	0.26%	54	74	35.43%

Top Industries for Prepress Technicians and Workers

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Printing and related support activities	323100	58.29%	41,328	29,471	-28.69%
Newspaper publishers	511110	15.03%	10,658	8,218	-22.90%
Converted paper product manufacturing	322200	4.22%	2,995	2,262	-24.47%
Advertising and related services	541800	1.62%	1,149	1,167	1.55%
Specialized design services	541400	1.29%	915	1,102	20.43%
Employment services	561300	0.85%	603	687	13.91%
Data processing, hosting, and related services	518200	0.73%	517	629	21.67%
Plastics product manufacturing	326100	0.67%	473	451	-4.60%



Colleges, universities, and professional schools, public and private	611300	0.58%	411	413	0.68%
Management of companies and enterprises	551100	0.53%	373	387	3.75%
Semiconductor and other electronic component manufacturing	334400	0.42%	294	232	-21.33%
Federal government, excluding postal service	919999	0.36%	254	216	-14.92%
Paper and paper product merchant wholesalers	424100	0.34%	244	234	-3.85%
State government, excluding education and hospitals	929200	0.26%	186	164	-11.69%
Manufacturing and reproducing magnetic and optical media	334600	0.22%	153	135	-11.57%